Paper Kite

Kit contains:

- 1 kite template
- 1 wooden skewer
- 1 kite string
- 1 kite tail

You will need: a hole punch/nail and tape.

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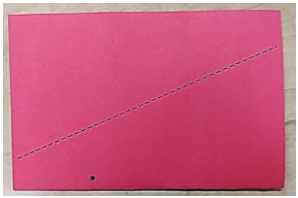
INSTRUCTIONS

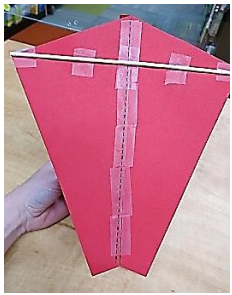
Step 1. Fold the kite template along the dotted lines, first in half and then on the angles.



(**Note:** If the printing isn't aligned exactly, you can choose to fold symmetrically instead of staying true to the lines.)

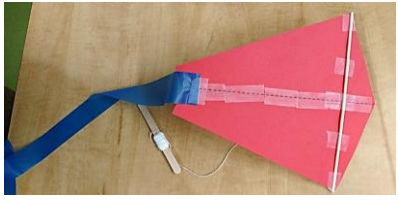
Step 2. Tape along the seam.

Step 3. Tape the skewer across the kite from corner to corner.



Step 4. Put a piece of tape over the dots to reinforce the paper, and then punch a hole. Tie on the kite string.

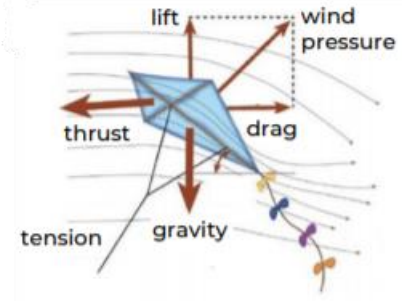
Step 5. Tape the tail to the bottom of the kite. Now your kite is ready to fly!



HOW DOES A KITE FLY?

A kite is a heavier-than-air object that flies... just like an airplane. The four forces of flight (Lift, Weight, Drag, and Thrust) affect kites in the same way they affect airplanes, and anything else that flies.

Lift is the upward force that pushes a kite into the air. **Weight** is the downward force generated by the gravitational attraction of the Earth on the kite. **Thrust** is the forward force that propels a kite in the direction of motion. **Drag** is the backward force that acts opposite to the direction of motion. To launch a kite into the air, the force of lift must be greater than the force of weight. To keep a kite flying steady the four forces must be in balance. Lift must be equal to weight and thrust must be equal to drag.



(Source: https://airandspace.si.edu/stories/editorial/how-kites-fly)